Human c-Fos Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF7254

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human c-Fos in direct ELISAs and Western blots. In direct ELISAs, less than 2% cross-reactivity with recombinant human Fos-B is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human c-Fos Met1-Leu132 Accession # P01100
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

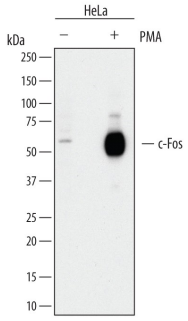
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	0.2 µg/mL	See Below
Immunocytochemistry	3-25 µg/mL	See Below

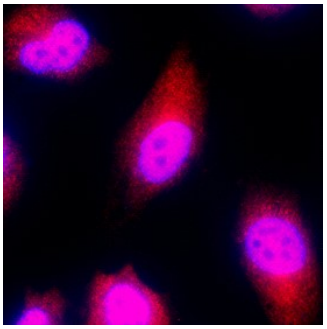
DATA

Western Blot



Detection of Human c-Fos by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line untreated (-) or treated (+) with 200 nM PMA for 4 hours. PVDF membrane was probed with 0.2 µg/mL of Sheep Anti-Human c-Fos Antigen Affinity-purified Polyclonal Antibody (Catalog # AF7254) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for c-Fos at approximately 62 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Immunocytochemistry



c-Fos in HeLa Human Cell Line. c-Fos was detected in immersion fixed HeLa human cervical epithelial carcinoma cell line using Sheep Anti-Human c-Fos Antigen Affinity-purified Polyclonal Antibody (Catalog # AF7254) at 3 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Sheep IgG Secondary Antibody (red; Catalog # NL010) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm and nuclei. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Cellular oncogene fos (c-Fos) is one of four Fos family proteins that associate with Jun family proteins to form the AP-1 transcription factor complex. It is thought to have an important role in signal transduction, cell proliferation and differentiation. Cellular oncogene fos (c-Fos) is constitutively sumoylated by SUMO1, SUMO2 and SUMO3. Within aa 1-132, human c-Fos shares 92% aa sequence identity with mouse and rat c-Fos.

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